

FIG. 1

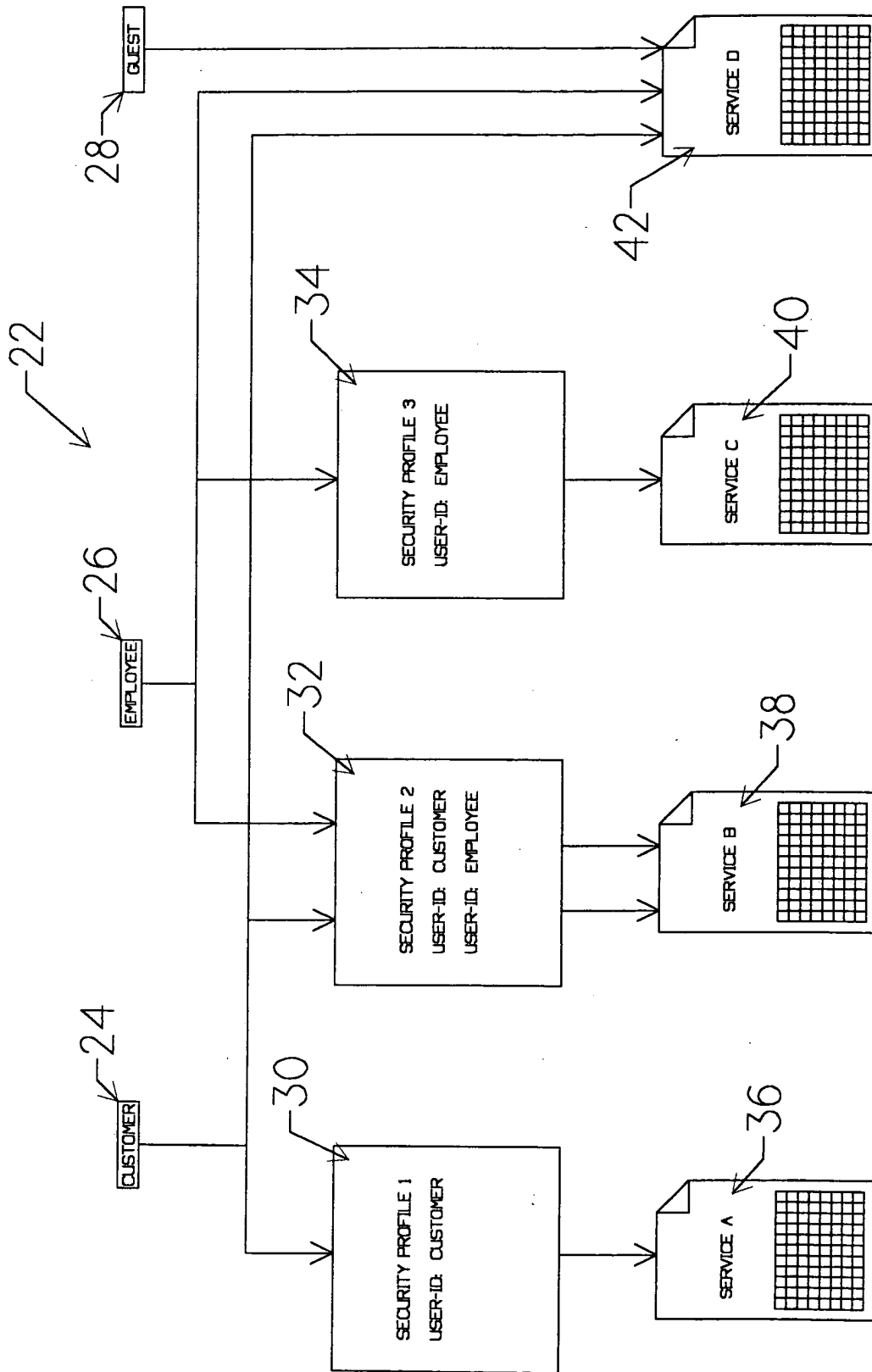


FIG. 2

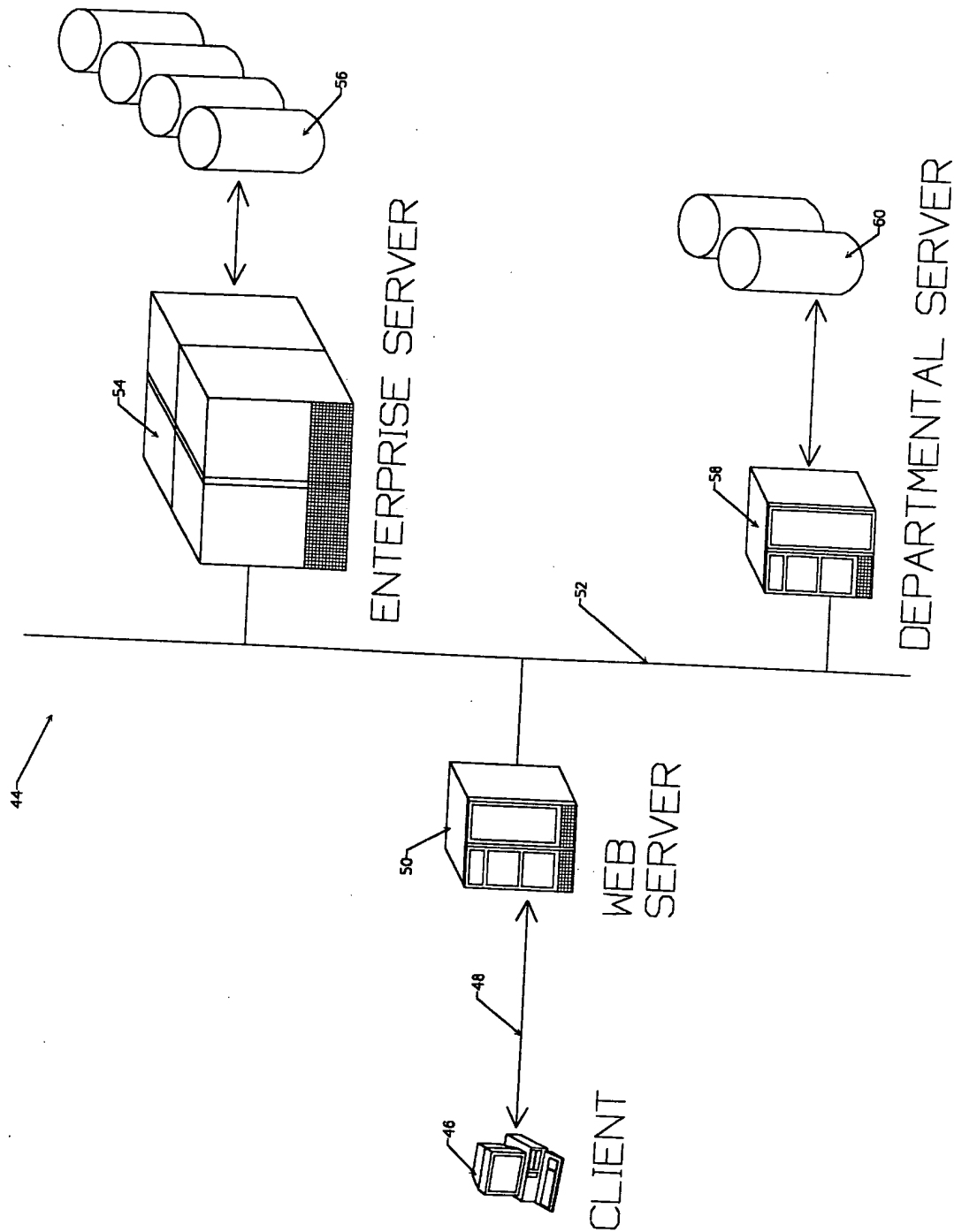


FIG. 3

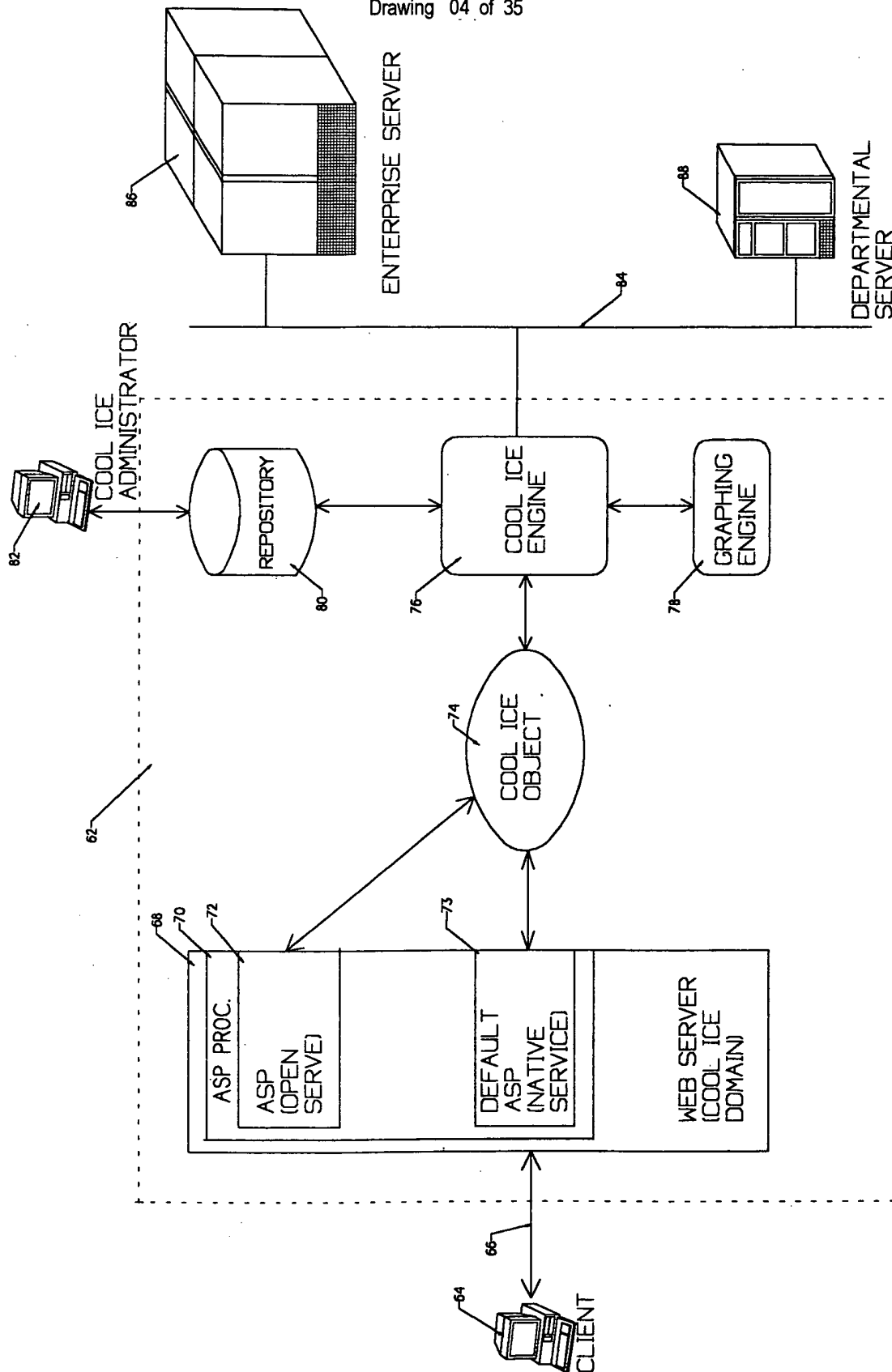


FIG. 4

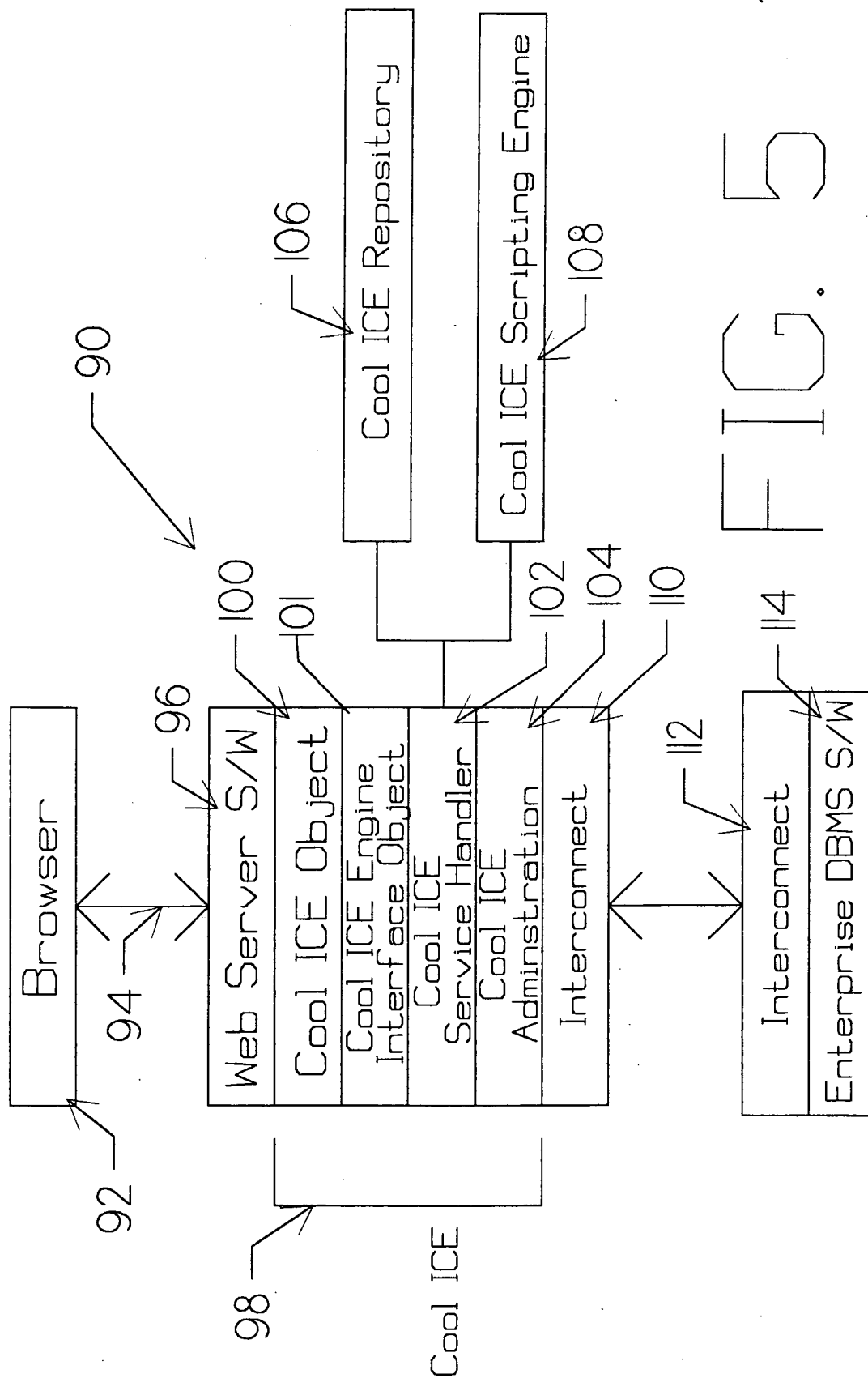


FIG. 5

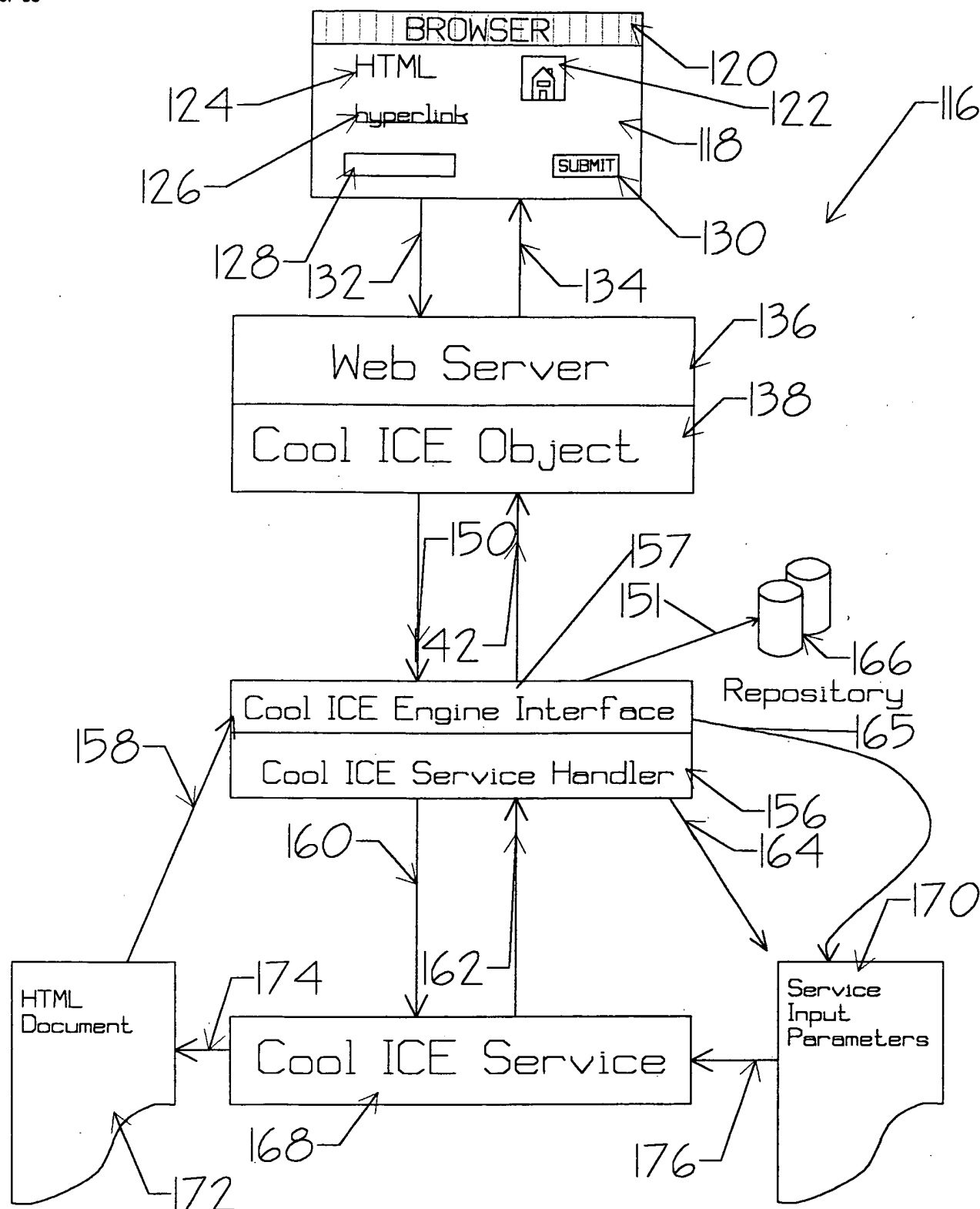


FIG. 6

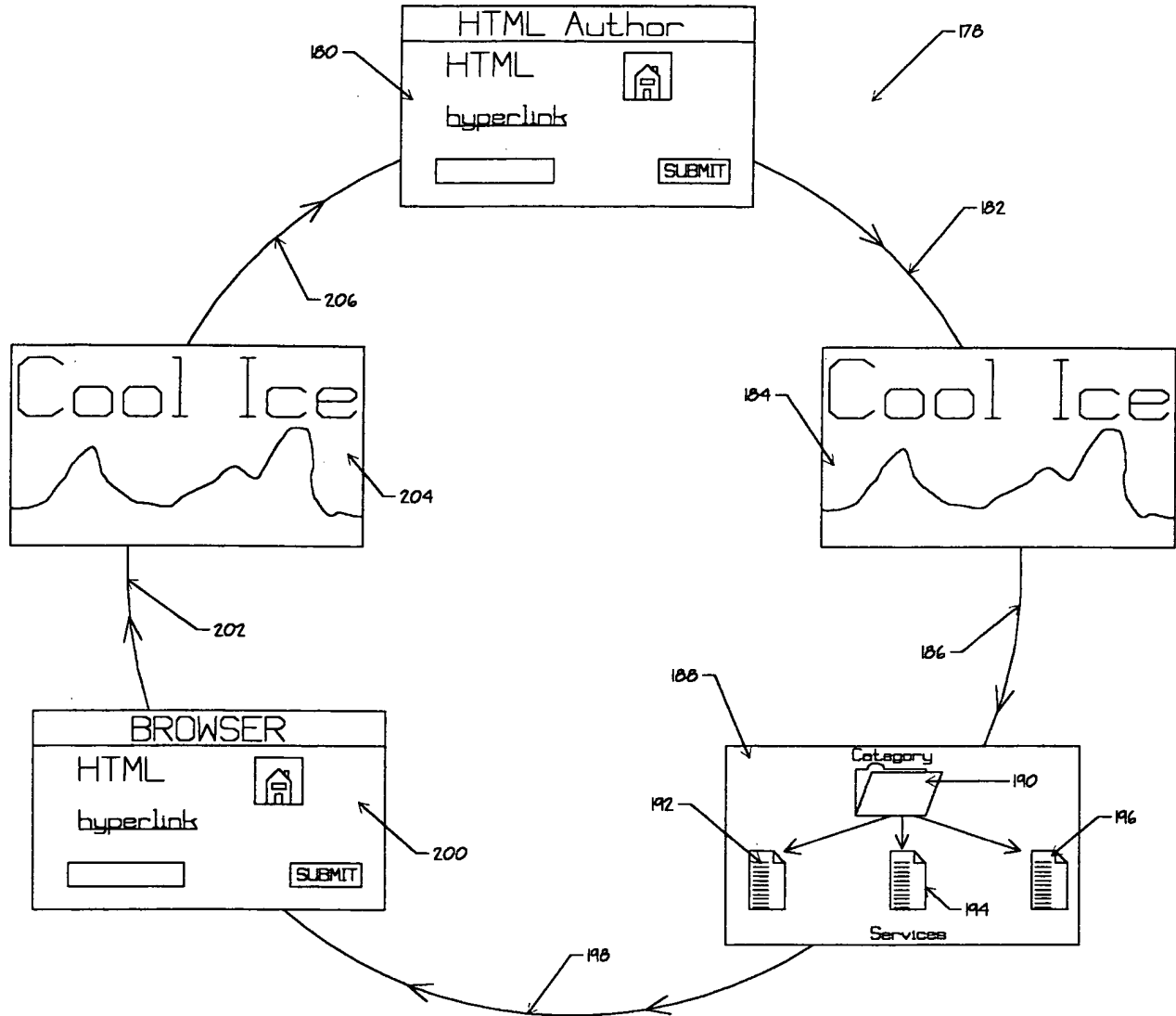


FIG. 7

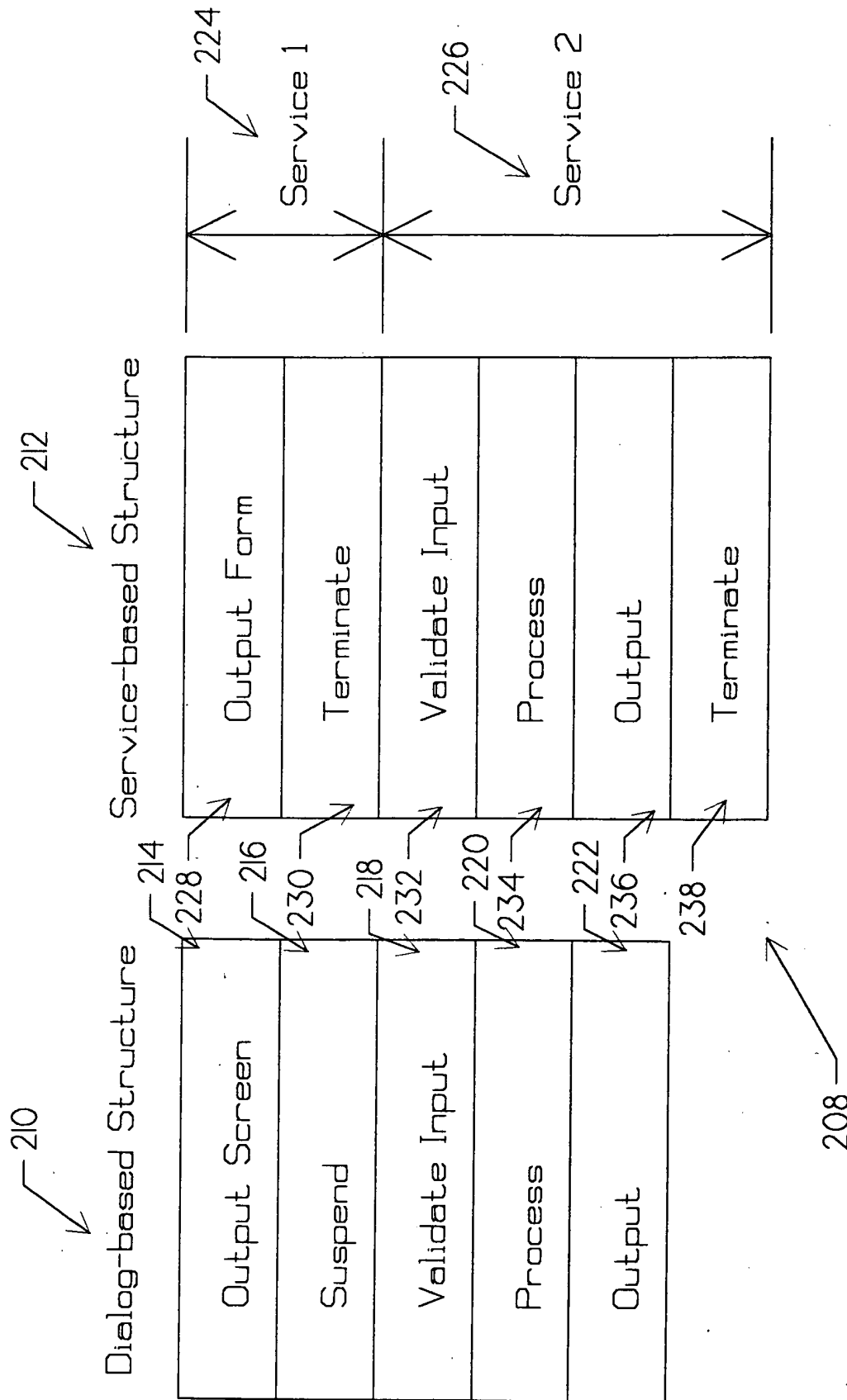


FIG. 8

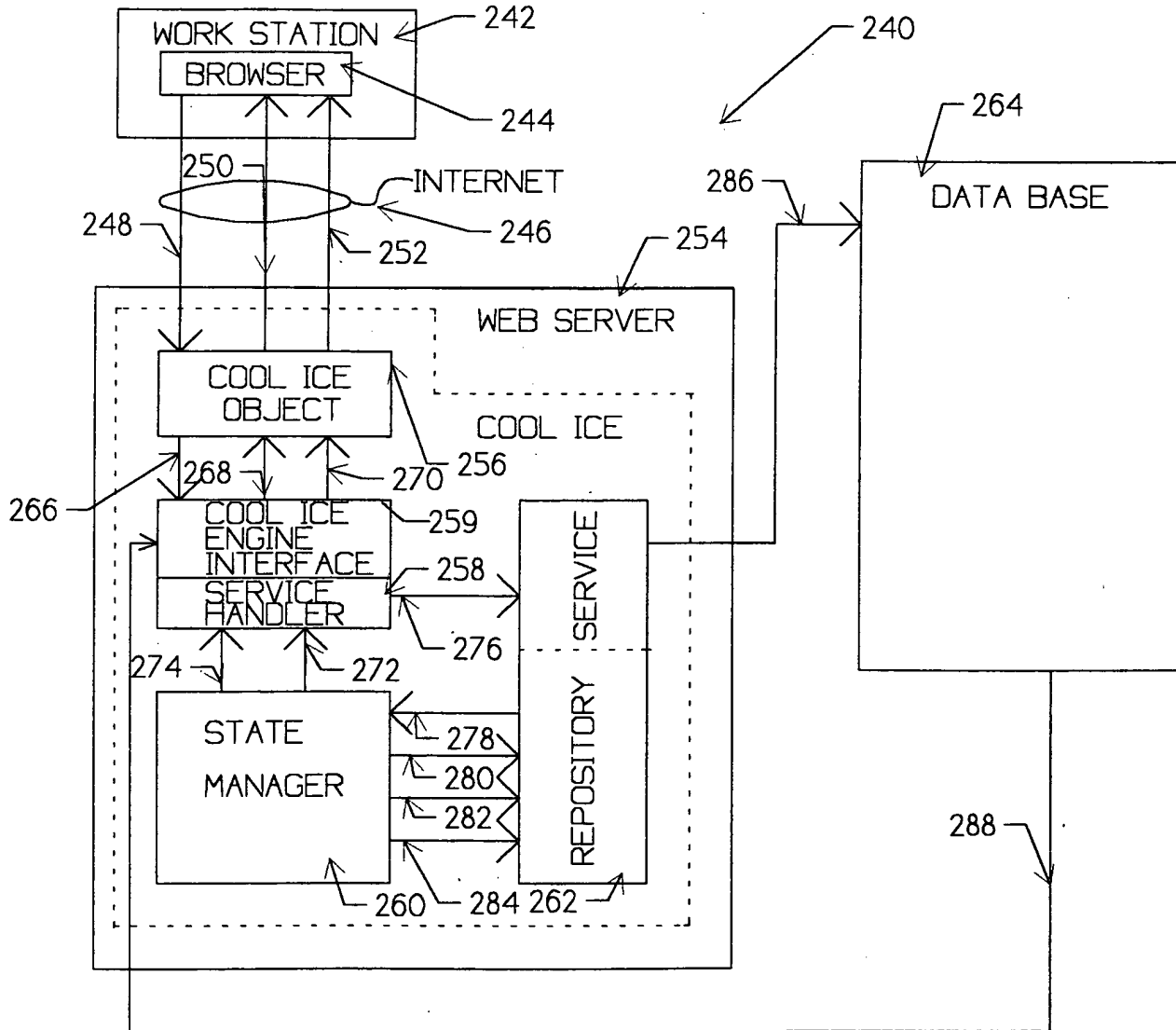


FIG. 9

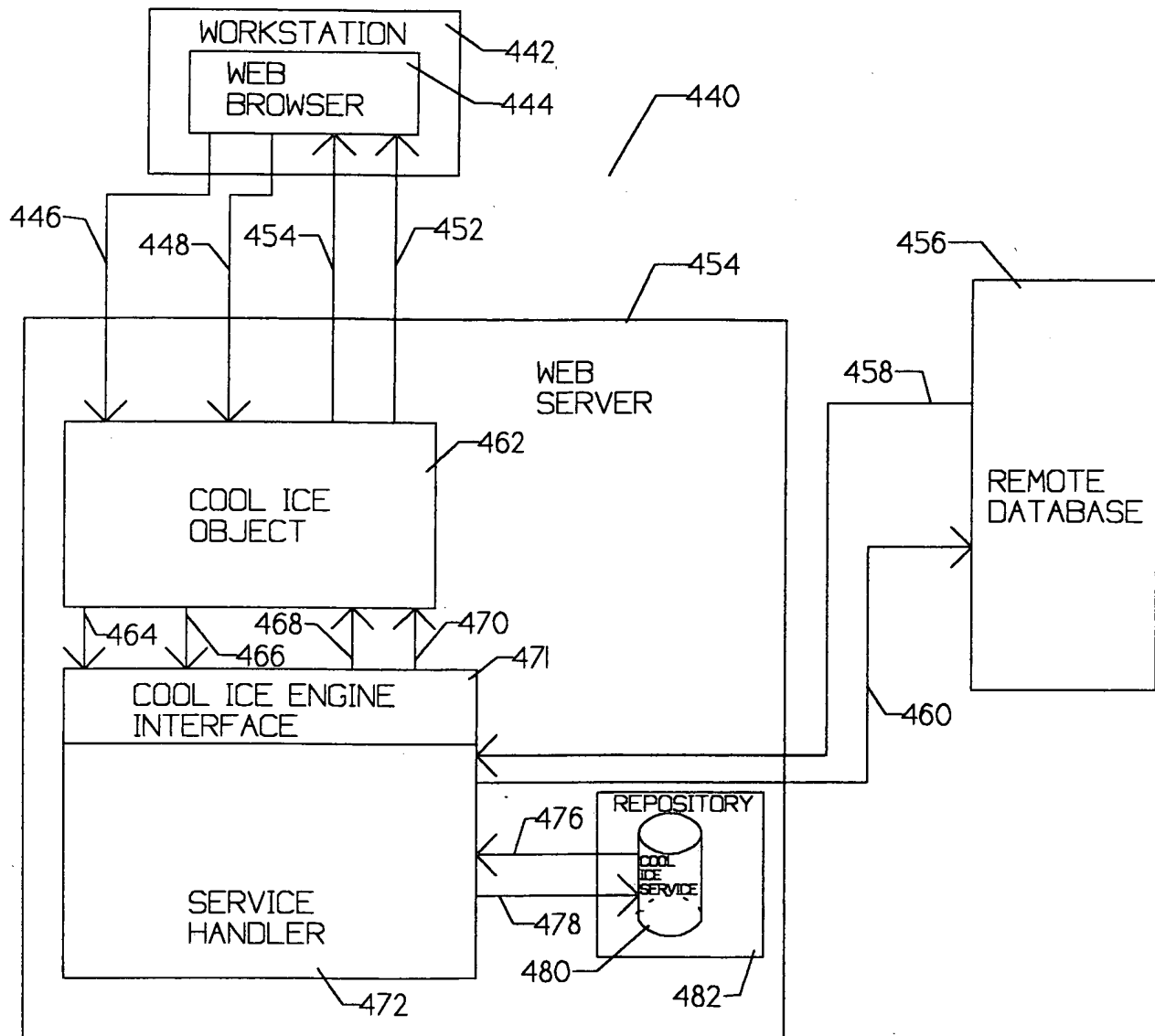


FIG. 10

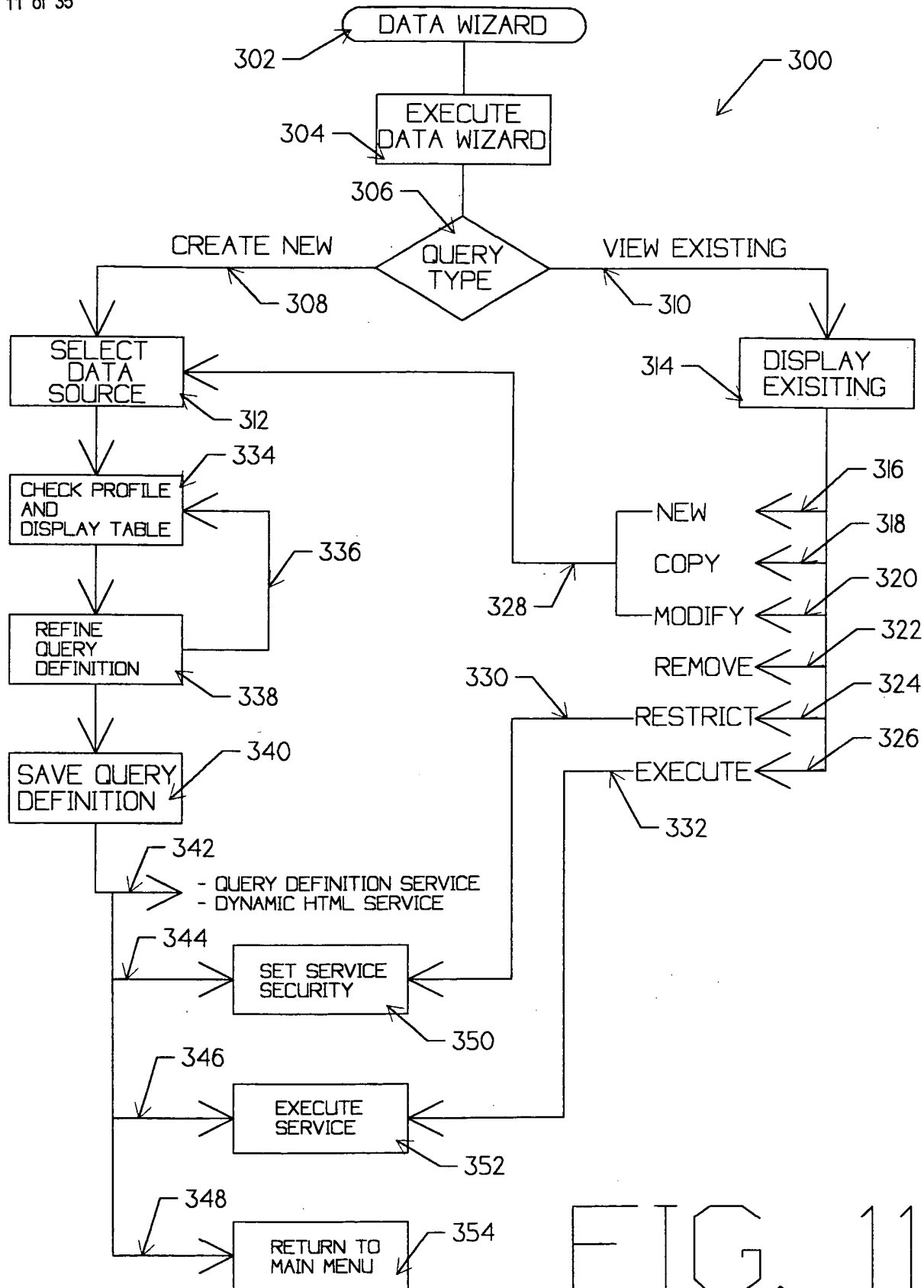


FIG. 11

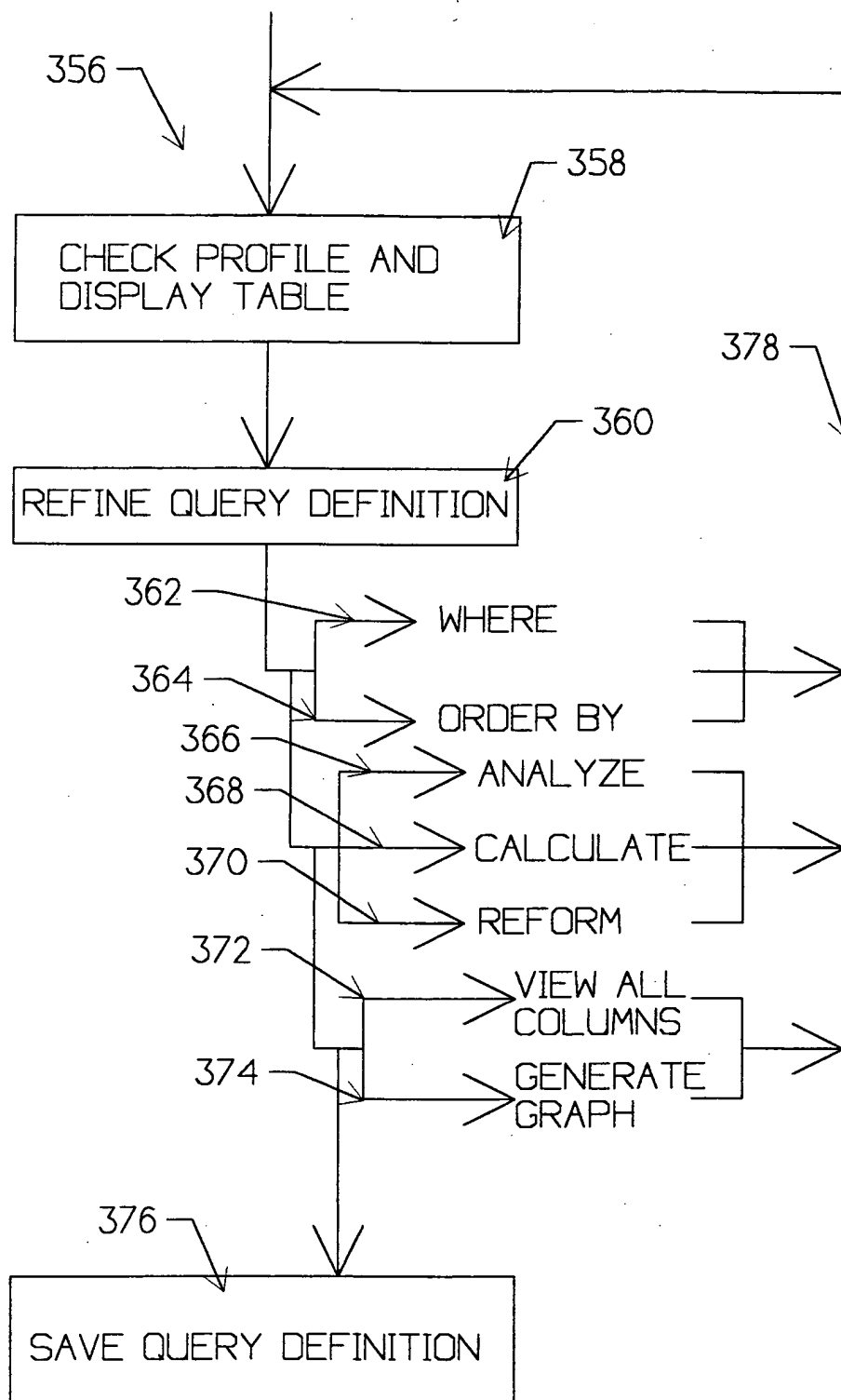


FIG. 12

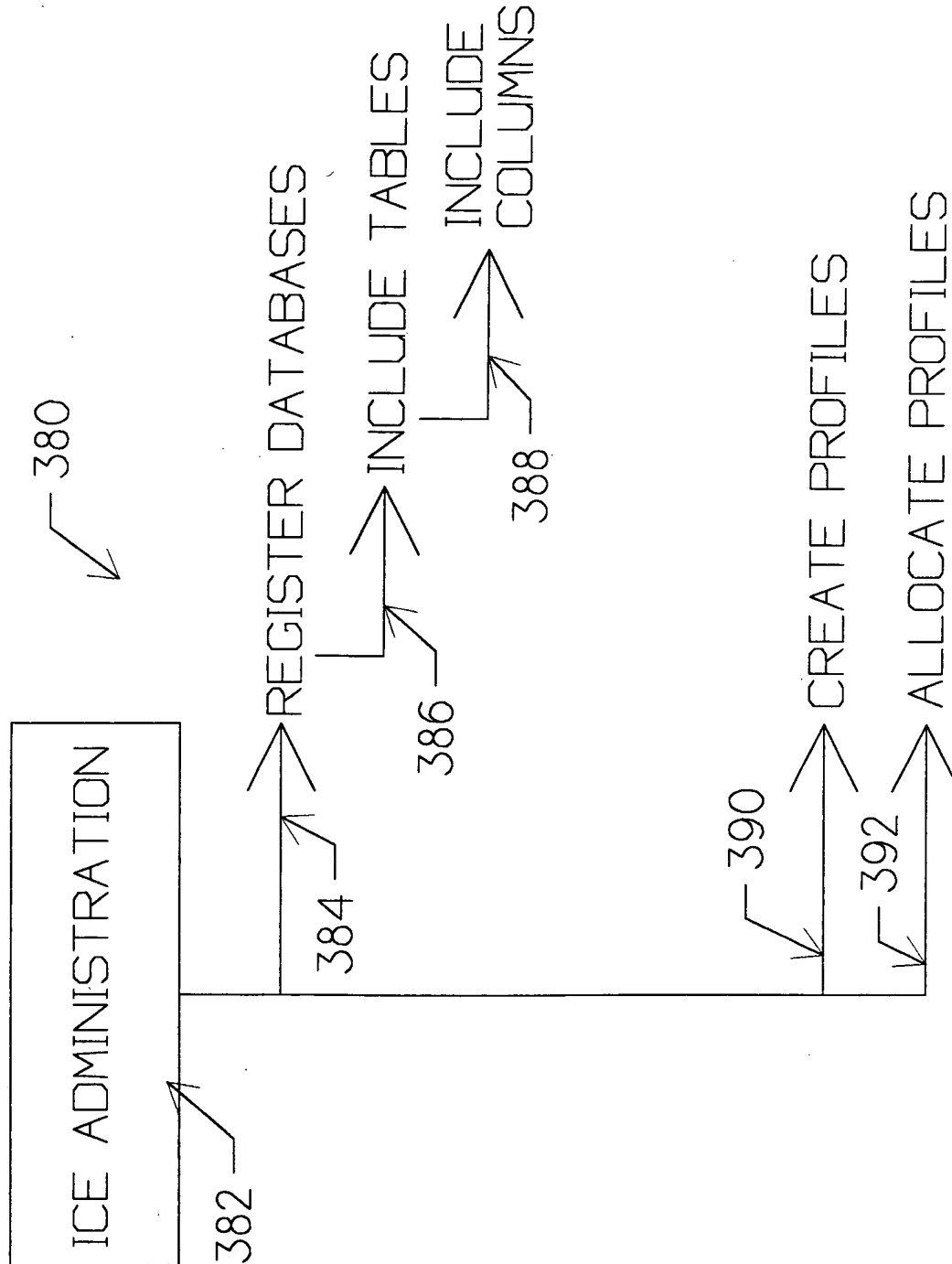
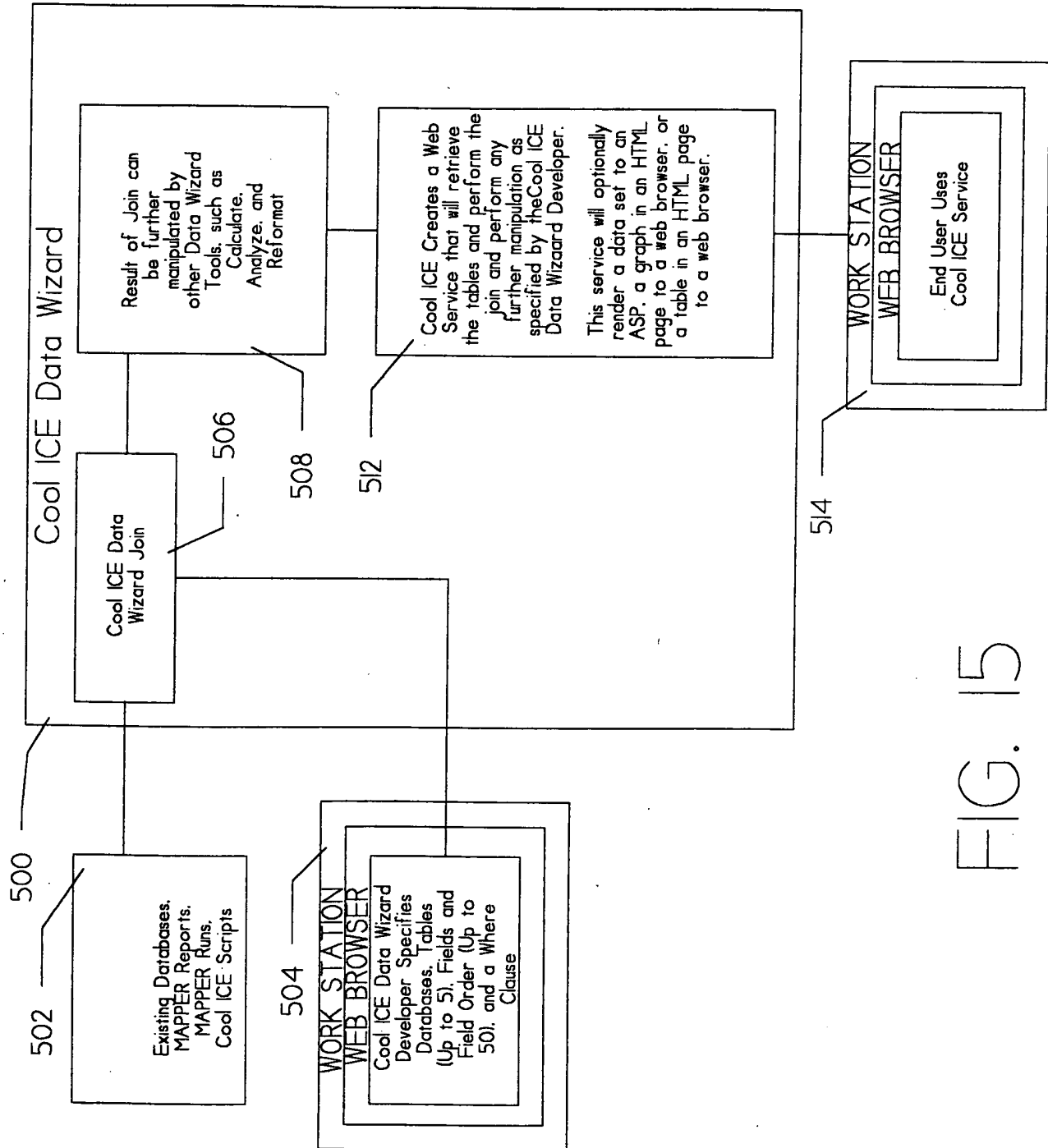
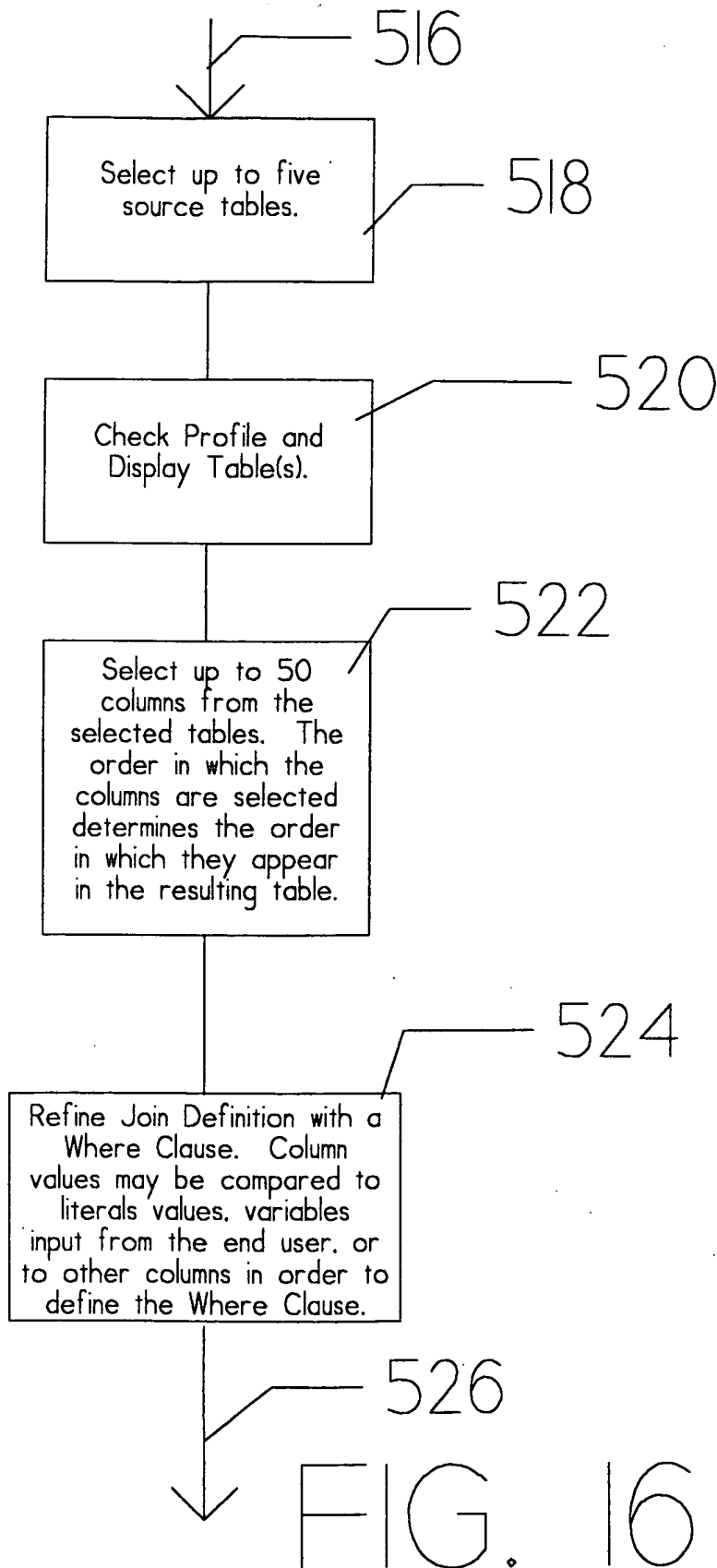


FIG. 13

FIG. 14





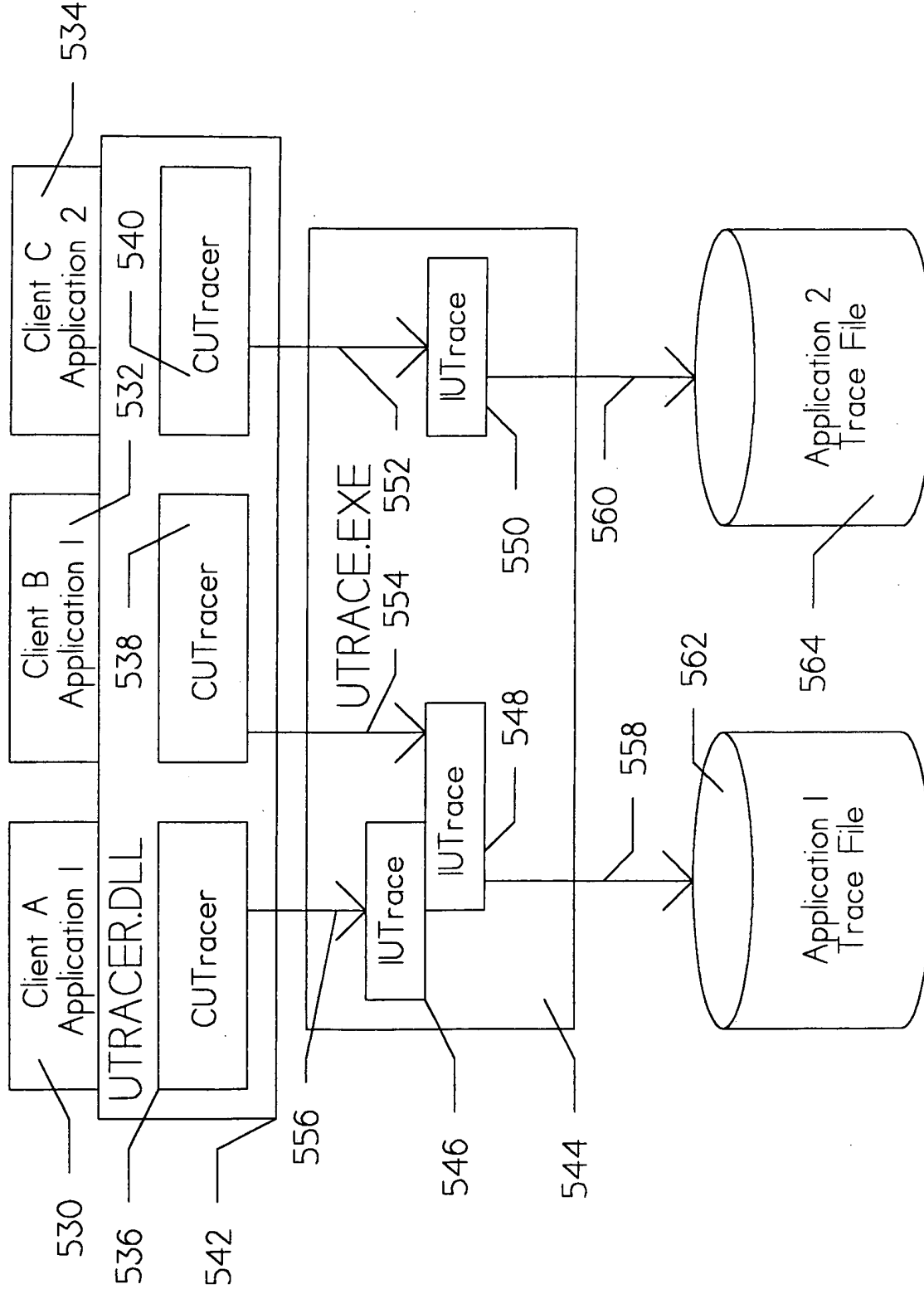


FIG. 17

HKLM\SOFTWARE\UNISYS\UTRACE

APPNAME -- Subkey matching the name of the application 565

ENABLETRACE	-- DWORD value indicating a Boolean (1=trace.. 0=no trace).
MAXENTRIES	-- DWORD value indicating the maximum number of entries in the trace file. If missing, then no upper limit is imposed.
FORMATFLAGS	-- DWORD value indicating message formatting flags.
POLICYFLAGS	-- DWORD value indicating trace policy flags set for the application.
TRACELEVEL	-- DWORD value indicating a trace level. 0 = no trace.
TRACEPATH	-- String value indicating the directory path for the trace files.
REGTRACE	-- A string value containing the HKLM\Software sub key to trace for this application. Blank or missing for no registry trace.
COMPONENT	-- A subkey for a specific component of the application.
POLICYFLAGS	-- Value indicating component level trace policy flags
TRACELEVEL	-- DWORD Value indicating a trace level. 0 = no trace.
VERSIONTRACE	-- String value specifying executable component name for version information tracing.

FIG. 18

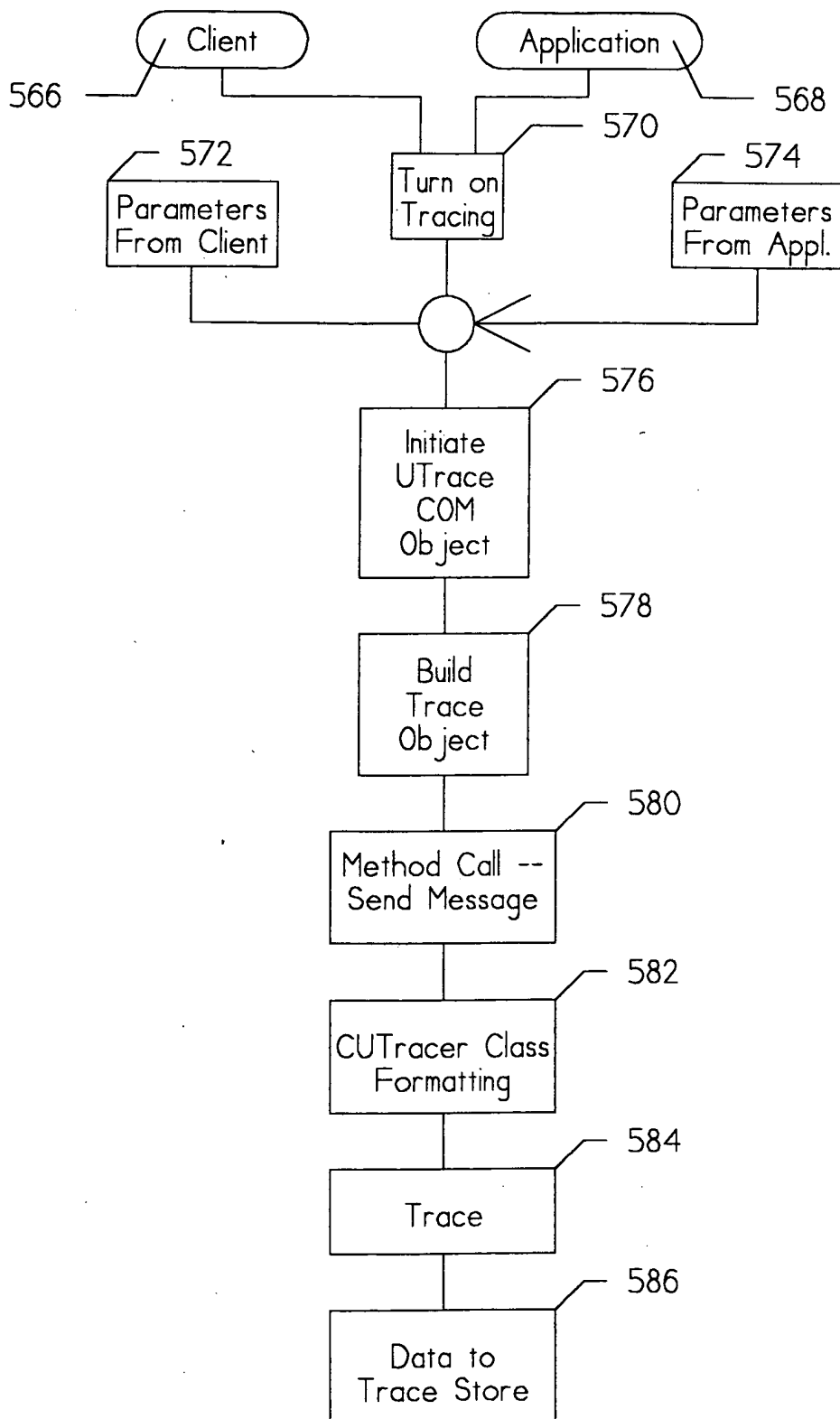


FIG. 19

```
#define Cl_TRACE_VERSION      0x1  
#define Cl_TRACE_ERROR       0x2  
#define Cl_TRACE_INTERFACE   0x4  
#define Cl_TRACE_FLOW        0x8  
#define Cl_TRACE_DETAIL      0x10
```

FIG. 20A

```
if (m_trace.Active(Cl_TRACE_DETAIL))  
m_trace<<"MY Detailed Trace information"<<Localvariable<<traceit
```

FIG. 20B

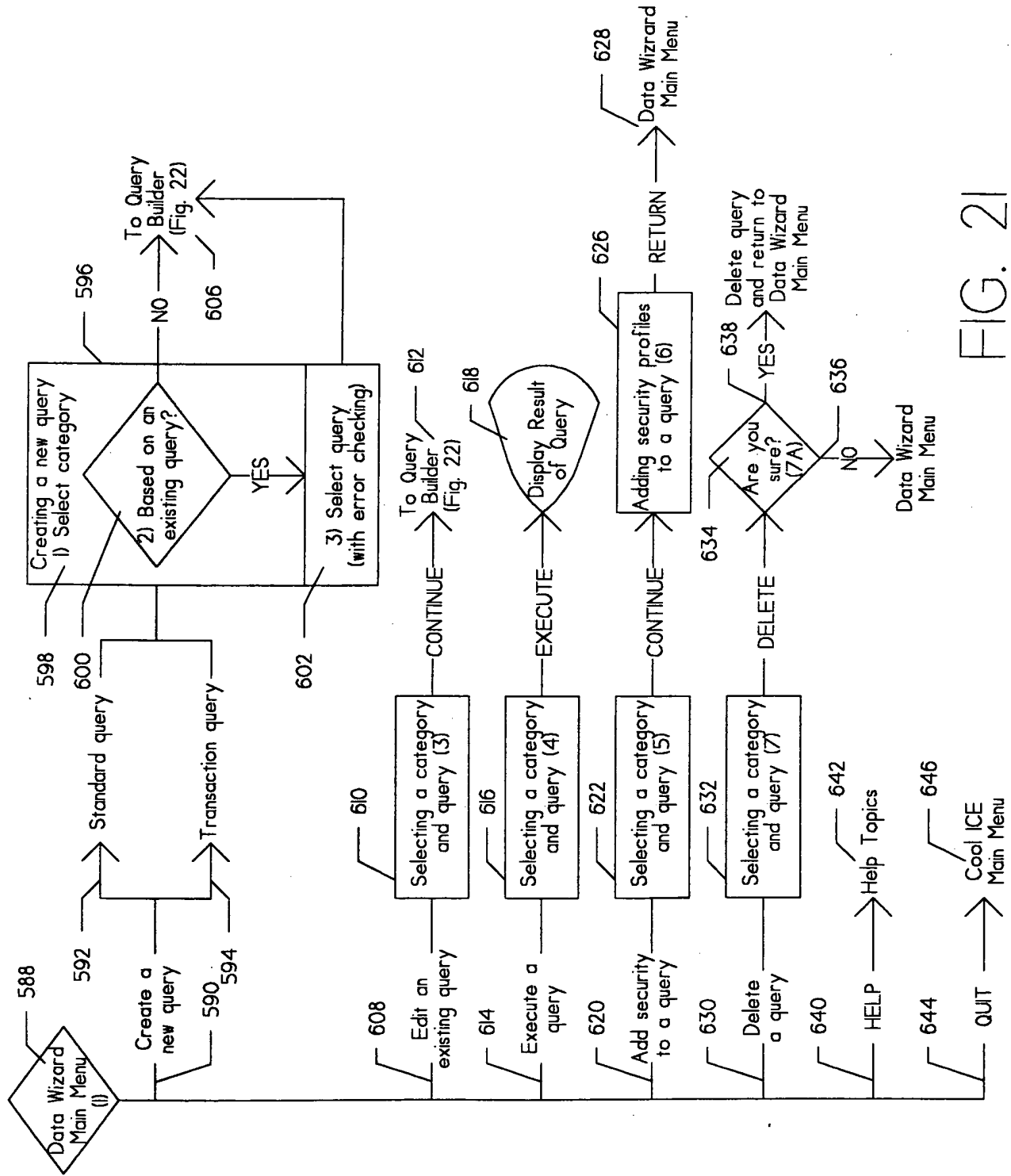


FIG. 21

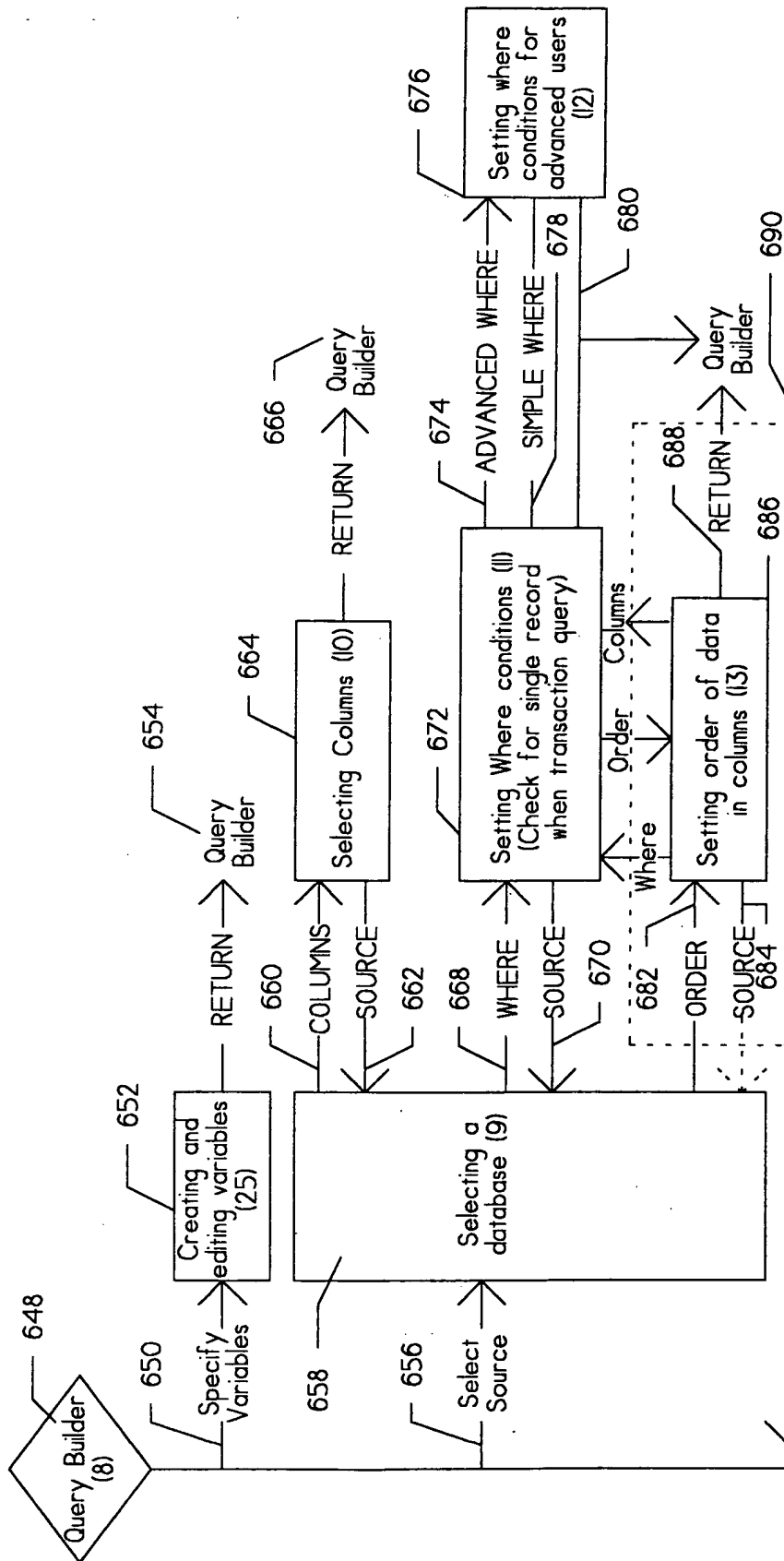


FIG. 22A

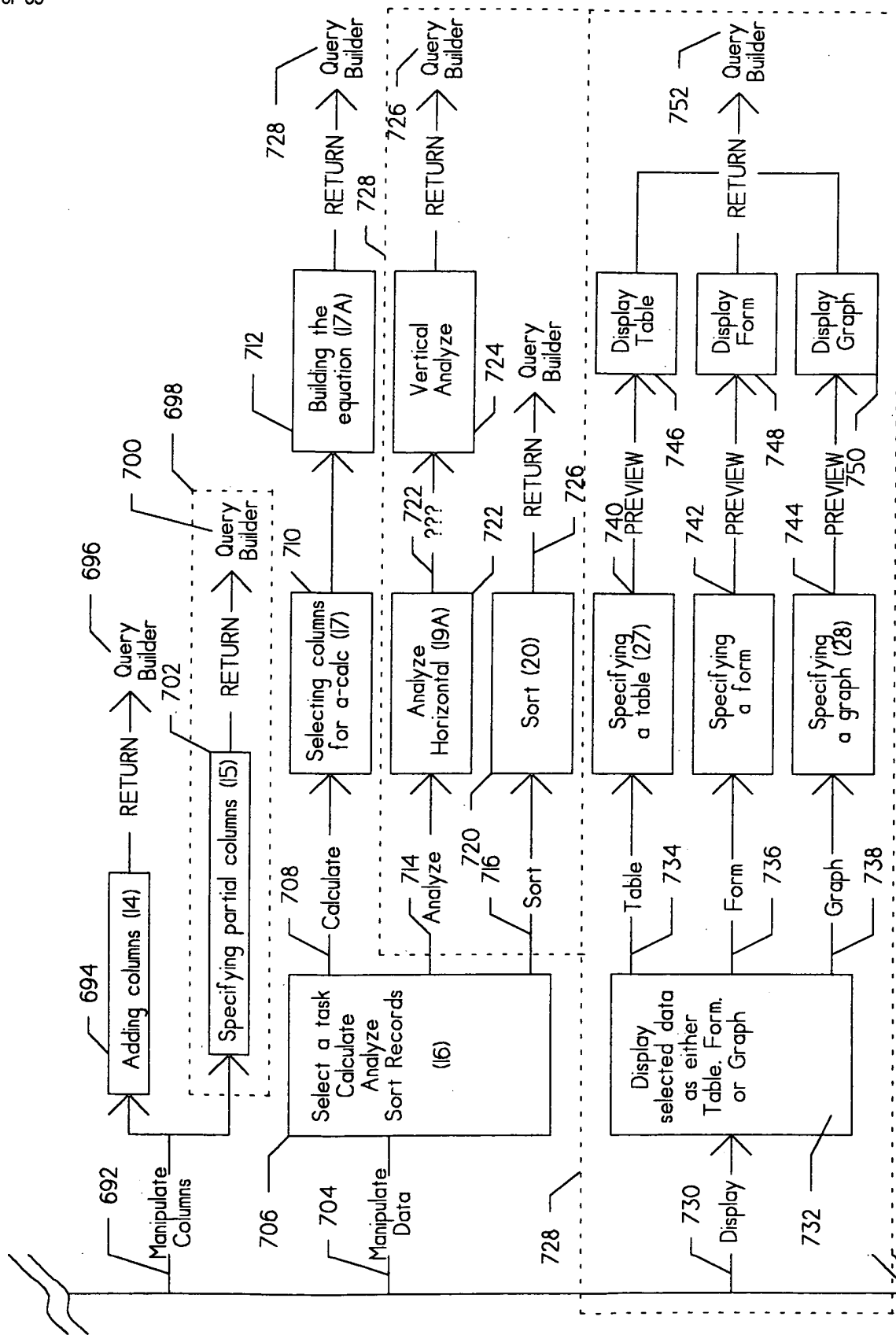
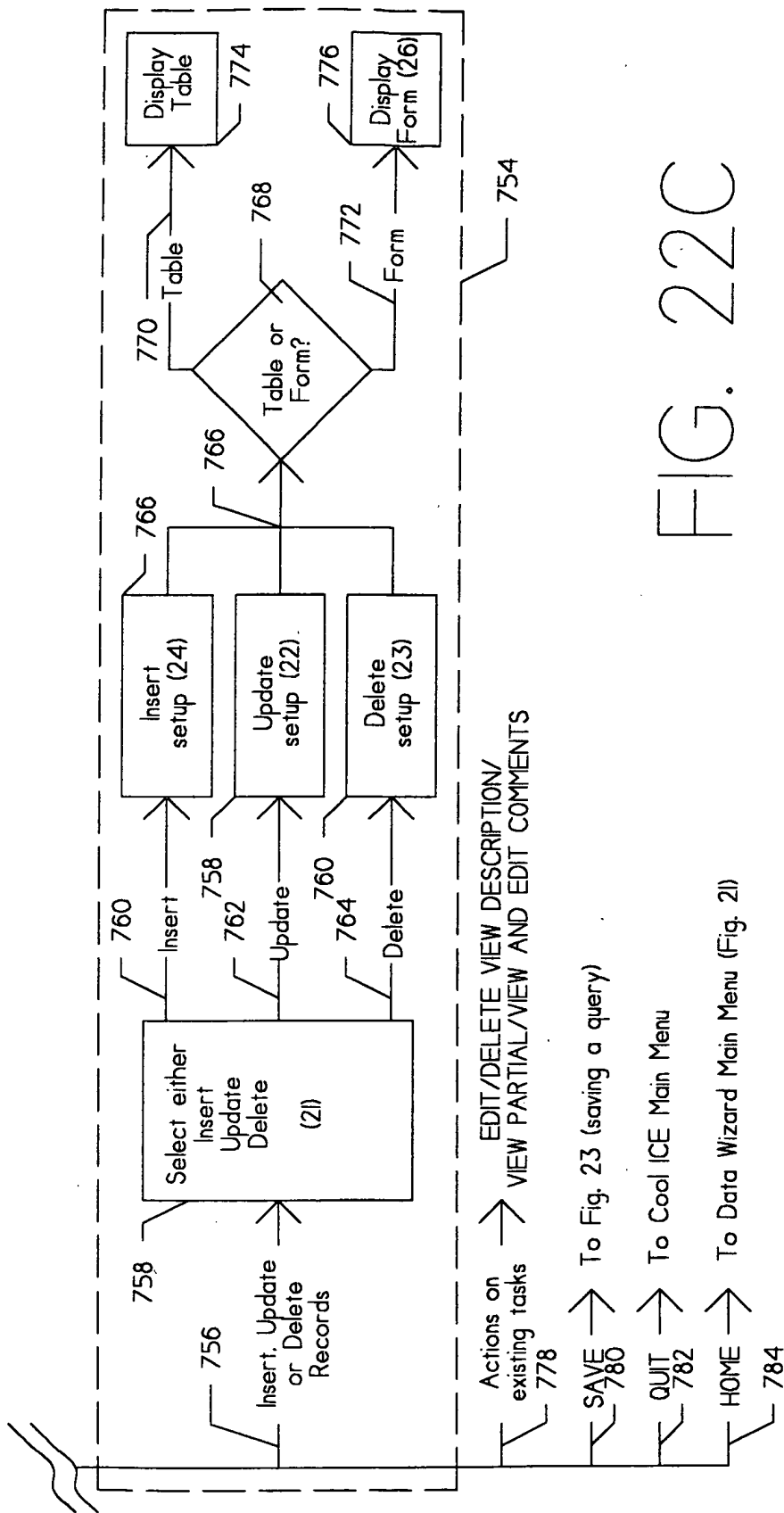


FIG. 22B



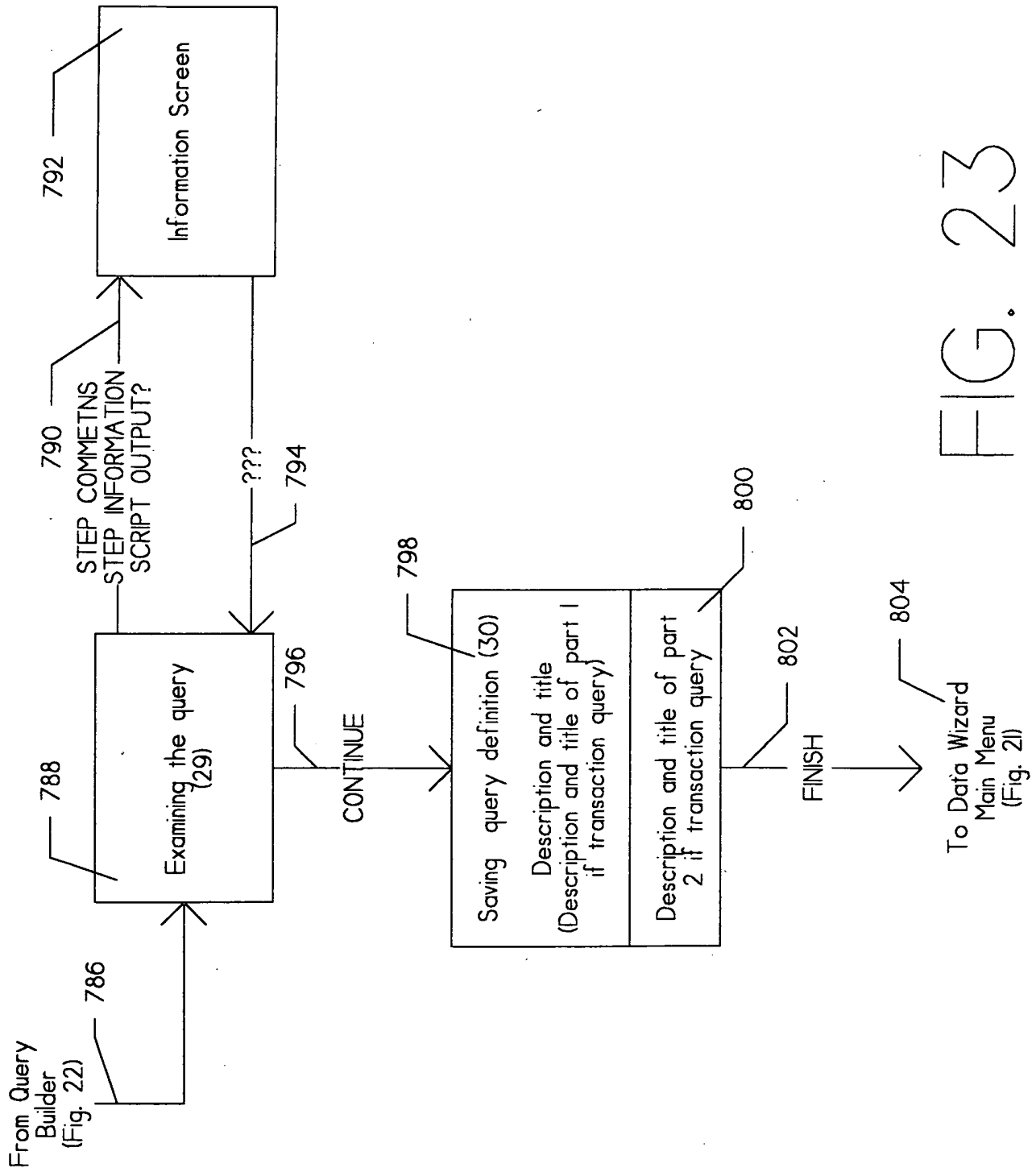


FIG. 23

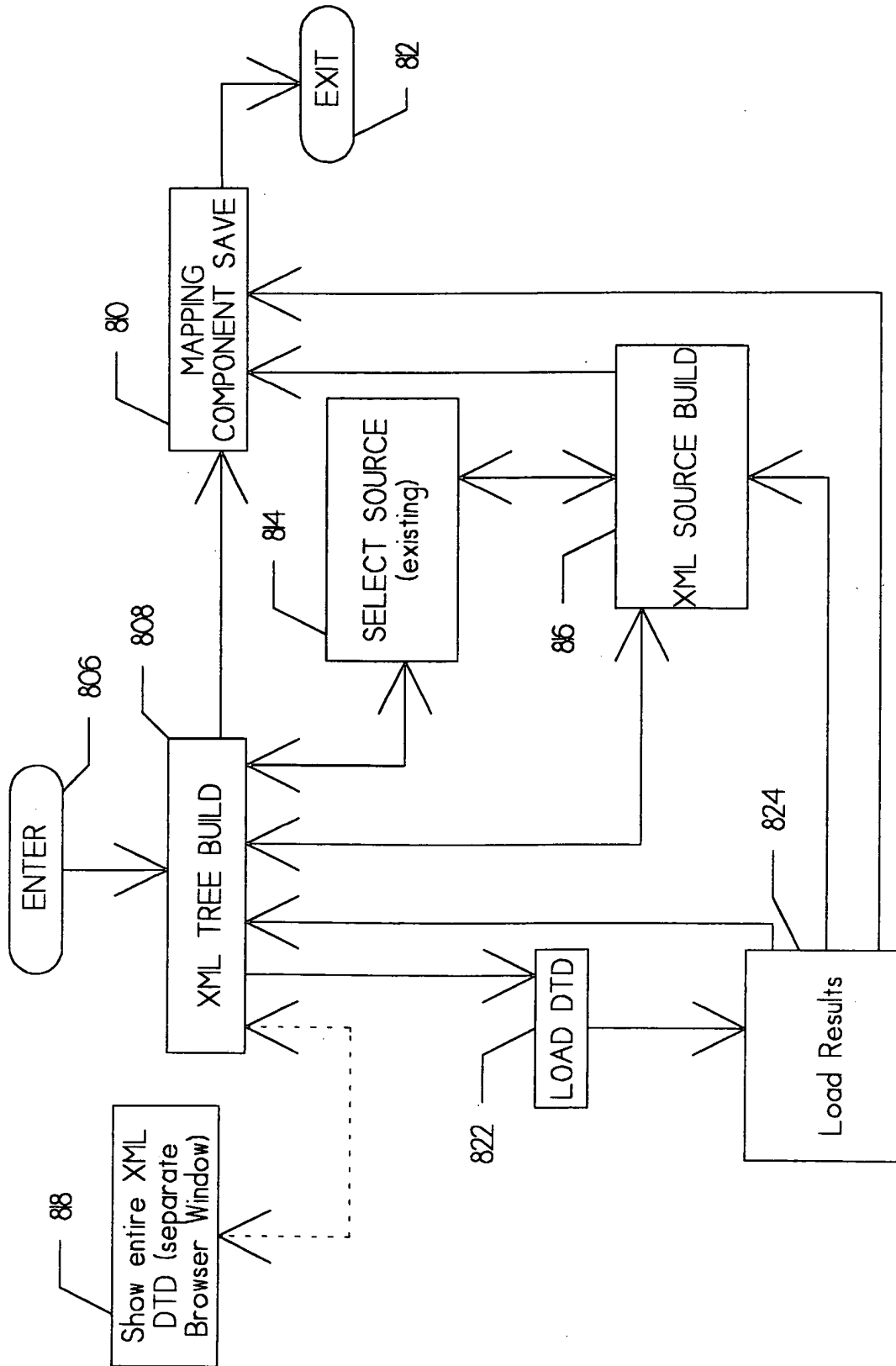


FIG. 24

XML -Mapper -- Microsoft Internet Explorer
File Edit View Favorites Tools Help

Component Builder

UNISYS

Home Quit Cancel Help

828 XML MAPPING ELEMENTS 872 [Redisplay] 874 [Sources] 876 [Save]

ELEMENTS	858	CONTROLS	Element Properties
836 Newspaper	<input type="radio"/> Variables 856	Mapping Type <input type="checkbox"/> Open 868 <input type="checkbox"/> Name Conversion 864	Item Type <input type="checkbox"/> Sequence 860 <input type="checkbox"/> Element Form 866
838 Article	<input type="radio"/> Tables	Table Mapping <input type="checkbox"/> Complete 866	Mapping <input type="checkbox"/> Row Iterator 862 <input type="checkbox"/> Value 863
840 Author	<input type="radio"/> Article		
842 Editor	<input type="radio"/> Article		
844 Date	<input type="radio"/> Author		
846 Edition	<input type="radio"/> Editor		
848 Headline	<input type="radio"/> Date		
850 Byline	<input type="radio"/> Edition		
852 Lead	<input type="radio"/> Headline		
854 Body	<input type="radio"/> Byline		
	<input type="radio"/> Lead		
	<input type="radio"/> Body		

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FIG. 25

XML - Mapper -- Microsoft Internet Explorer
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838	<input type="checkbox"/> Newspaper	<input type="checkbox"/> Tables	Mapping Type <input type="checkbox"/> Open <input checked="" type="checkbox"/> M 868	Name Conversion <input type="checkbox"/> Capital <input checked="" type="checkbox"/> M 864
840	<input type="checkbox"/> Article	<input type="checkbox"/> Article	Table Mapping <input type="checkbox"/> Complete <input checked="" type="checkbox"/> M 866	
842	<input type="checkbox"/> Author	<input type="checkbox"/> Author	Element Properties	
844	<input type="checkbox"/> Editor	<input type="checkbox"/> Editor	Item Type <input type="checkbox"/> Sequence <input checked="" type="checkbox"/> M 860	Element Form <input type="checkbox"/> Rpt <input checked="" type="checkbox"/> M 861
846	<input type="checkbox"/> Date	<input type="checkbox"/> Date	Mapping <input type="checkbox"/> Row Iterator <input checked="" type="checkbox"/> M 862	Value <input type="checkbox"/> 863
848	<input type="checkbox"/> Edition	<input type="checkbox"/> Edition		
850	<input type="checkbox"/> Headline	<input type="checkbox"/> Headline		
852	<input type="checkbox"/> Byline	<input type="checkbox"/> Byline		
854	<input type="checkbox"/> Lead	<input type="checkbox"/> Lead		
	<input type="checkbox"/> Body	<input type="checkbox"/> Body		
	<input type="checkbox"/> Notes	<input type="checkbox"/> Notes		

Actions ☐ 865

- Clear Mapping
- Add Sibling above
- Add Sibling below
- Add Childred
- Add Attributes
- Delete Branch
- Compact View
- Show Representation

XML-Mapper -- Microsoft Internet Explorer
File Edit View Favorites Tools Help

UNISYS

Component Builder

871 Home Quit Cancel Help 872 Redisplay 874 Sources 876 Upload DTD Save 873

XML MAPPING ELEMENTS

ELEMENTS	858	Variables	856	CONTROLS
Root	<input type="checkbox"/>	<input type="radio"/>		Mapping Type <input type="checkbox"/> Open <input type="checkbox"/> M 868
	<input type="checkbox"/>	<input type="radio"/>		Name Conversion <input type="checkbox"/> Capital <input type="checkbox"/> M 864
	<input type="checkbox"/>	<input type="radio"/>		Table Mapping <input type="checkbox"/> Complete <input type="checkbox"/> M 866
	<input type="checkbox"/>	<input type="radio"/>		Element Properties
	<input type="checkbox"/>	<input type="radio"/>		Item Type <input type="checkbox"/> Sequence <input type="checkbox"/> M 860
	<input type="checkbox"/>	<input type="radio"/>		Mapping <input type="checkbox"/> Row Iterator <input type="checkbox"/> M 862
	<input type="checkbox"/>	<input type="radio"/>		Element Form <input type="checkbox"/> Rpt <input type="checkbox"/> M 863
	<input type="checkbox"/>	<input type="radio"/>		Value <input type="checkbox"/> 863

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FIG. 27

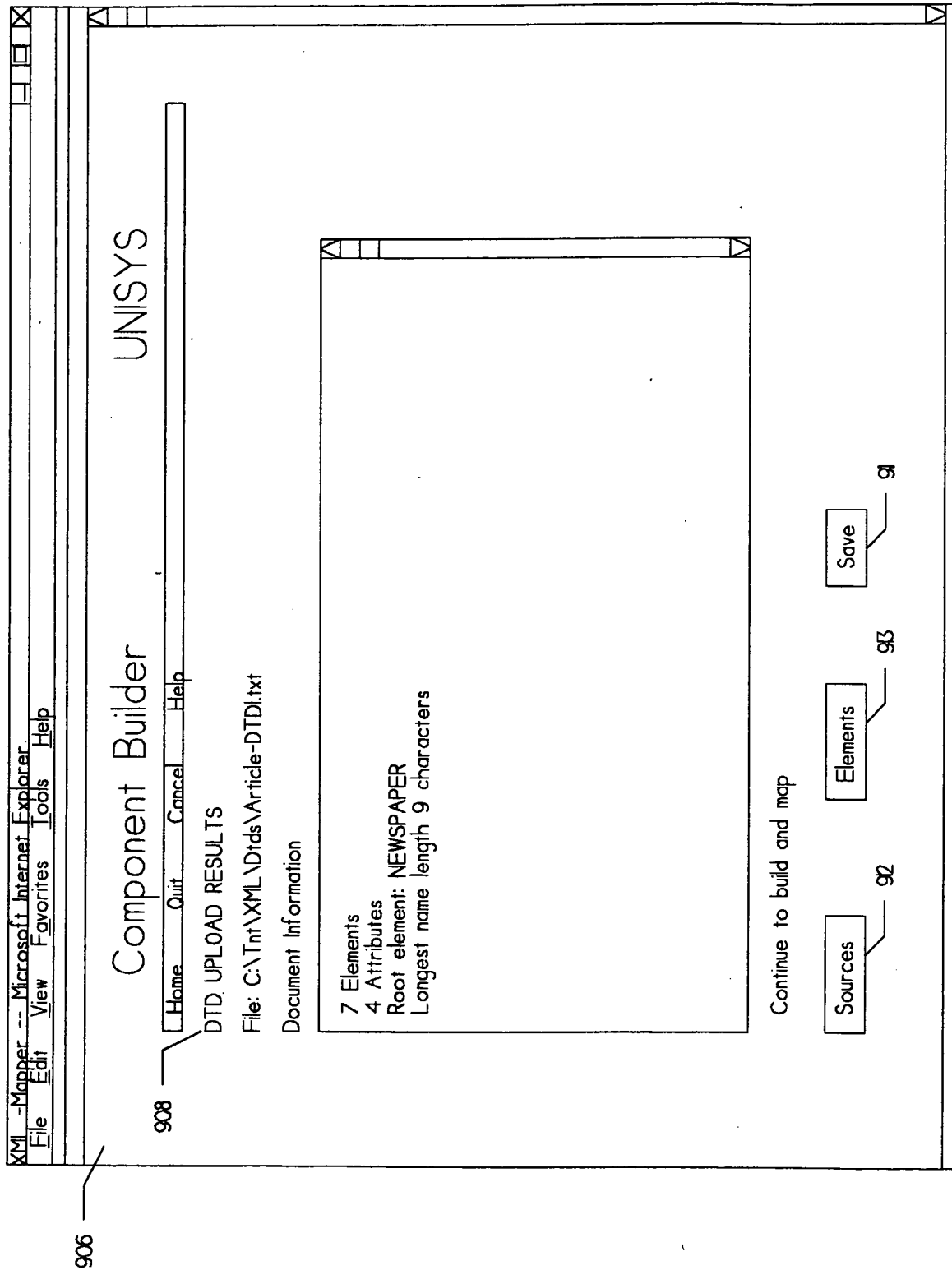


FIG. 28

IDT EXAMPLE

Version:AC:0.0 90
 Truncation:AC:0 92
 TypeCheck:AC:0 93
 ShoeData:ED:0:R 94
 From:DE:I:R
 From:EV:Supplier:20:string
 TableType:ED:I:R
 TableType:EV:TableInfo:50:string
 Inventory:ED:I:R
 Inventory:BT:Inventory:7
 Inventory:IH:ITEMNUMBER:I0
 Inventory:IH:QTY:5
 Inventory:IH:TYPE:I0
 Inventory:IH:GENDER:6
 Inventory:IH:SIZ:3
 Inventory:IH:COLOR:3I
 Inventory:IH:UNITCOST:I3
 Date:AD:I:R
 Date:AV:Date:I0:string
 Time:AD:I:R
 Time:AV:Time:5:string
 Row:ED:2:R
 Row:BR:I
 ItemNr:ED:2:R
 ItemNr:EF:I:ITEMNUMBER:I0:R:string
 Quantity:AD:2:R
 Quantity:AF:I:QTY:5:R:string
 Type:ED:2:R
 Type:EF:I:TYPE:I0:L:string:
 Gender:ED:2:0
 Gender:EF:I:GENDER:6:L:string:UniSex
 Size:ED:2:R
 Size:EF:I:SIZ:3:L:string:
 Color:ED:3:0
 Color:EF:I:COLOR:3I:L:string:White
 Unitcost:ED:2:R
 Unitcost:EF:I:UNITCOST:I3:R:string:
 Row:EE:2
 Row:ER:a
 Inventory:EE:I
 Inventory:ET:I 96

FIG. 29

— DID EXAMPLE — 918

<!DOCTYPE ShoeData [

<!ELEMENT ShoeData (From, TableType, Inventory)>
<!ELEMENT From (#PCDATA)>
<!ELEMENT TableType (#PCDATA)>
<!ELEMENT Inventory (Row+)>
<!ATTLIST Inventory Date CDATA #REQUIRED
<!ATTLIST Inventory Time CDATA #REQUIRED
<!ELEMENT Row (ItemNr, Type, Gener?, Size, Color?, Unitcost)+>
<!ELEMENT ItemNr (#PCDATA)>
<!ATTLIST ItemNr Quantity CDATA #REQUIRED
<!ELEMENT Type (#PCDATA)>
<!ELEMENT Gender (#PCDATA)>
<!ELEMENT Size (#PCDATA)>
<!ELEMENT Color (#PCDATA)>
<!ELEMENT Unitcost (#PCDATA)>

FIG. 30

XML INPUT DOCUMENT EXAMPLE

920
<?xml version="1.0" encoding="ISO-8859-1"?>
<ShoeData>
<From>Roseville Store</From>
<TableType>Low Inventory Count</TableType>
<Inventory Date="2000-12-05" Time="11:51">
<Row>
<ItemNr Quantity="0">32335</ItemNr>
<Type>Tennis</Type>
<Gender>Mens</Gender>
<Size>6</Size>
<Color>White/Zen Grey/New Spruce</Color>
<Unitcost>25.00</Unitcost>
</Row>
<Row>
<ItemNr Quantity="0">35410</ItemNr>
<Type>Running</Type>
<Gender>Womens</Gender>
<Size>5</Size>
<Color>White/Zen Grey/Neptune Blue</Color>
<Unitcost>19.70</Unitcost>
</Row>
<Row>
<ItemNr Quantity="0">35411</ItemNr>
<Type>Running</Type>
<Gender>Womens</Gender>
<Size>6</Size>
<Color>White/Zen Grey/Neptune Blue</Color>
<Unitcost>19.70</Unitcost>
</Row>
<Row>
<ItemNr Quantity="2">35420</ItemNr>
<Type>Running</Type>
<Gender>Womens</Gender>
<Size>5</Size>
<Color>White/Chlorine Blue/Hot Lime</Color>
<Unitcost>19.70</Unitcost>
</Row>
<Row>
<ItemNr Quantity="1">37421</ItemNr>
<Type>Golf</Type>
<Gender>Womens</Gender>
<Size>8</Size>
<Color>White/Fluorescent Pink</Color>
<Unitcost>35.00</Unitcost>
</Row>
</Inventory>
</ShoeData>
<Color>White/Black-Hot Lime, Neo Teak</Color>
<Unitcost>40.00</Unitcost>
</Row>
<Row>
<ItemNr Quantity="0">32474</ItemNr>
<Type>Tennis</Type>
<Gender>Womens</Gender>
<Size>8</Size>
<Color>White/Light Marine-Ultramarine</Color>
<Unitcost>25.00</Unitcost>
</Row>
<Row>
<ItemNr Quantity="1">35310</ItemNr>
<Type>Running</Type>
<Gender>Mens</Gender>
<Size>6</Size>

FIG. 31

XML-Mapper -- Microsoft Internet Explorer
File Edit View Favorites Tools Help

Component Builder

UNISYS

Home Quit Cancel Help

Saving Current Table

1. Select data source type.

Category Service (CSR)
Named Reports (RPT)
Active Data Objects (ADO)
Interim Objects (INT)

2. Choose Table Destination.

Available Choices:

<New>

Reset

Return

FIG. 32

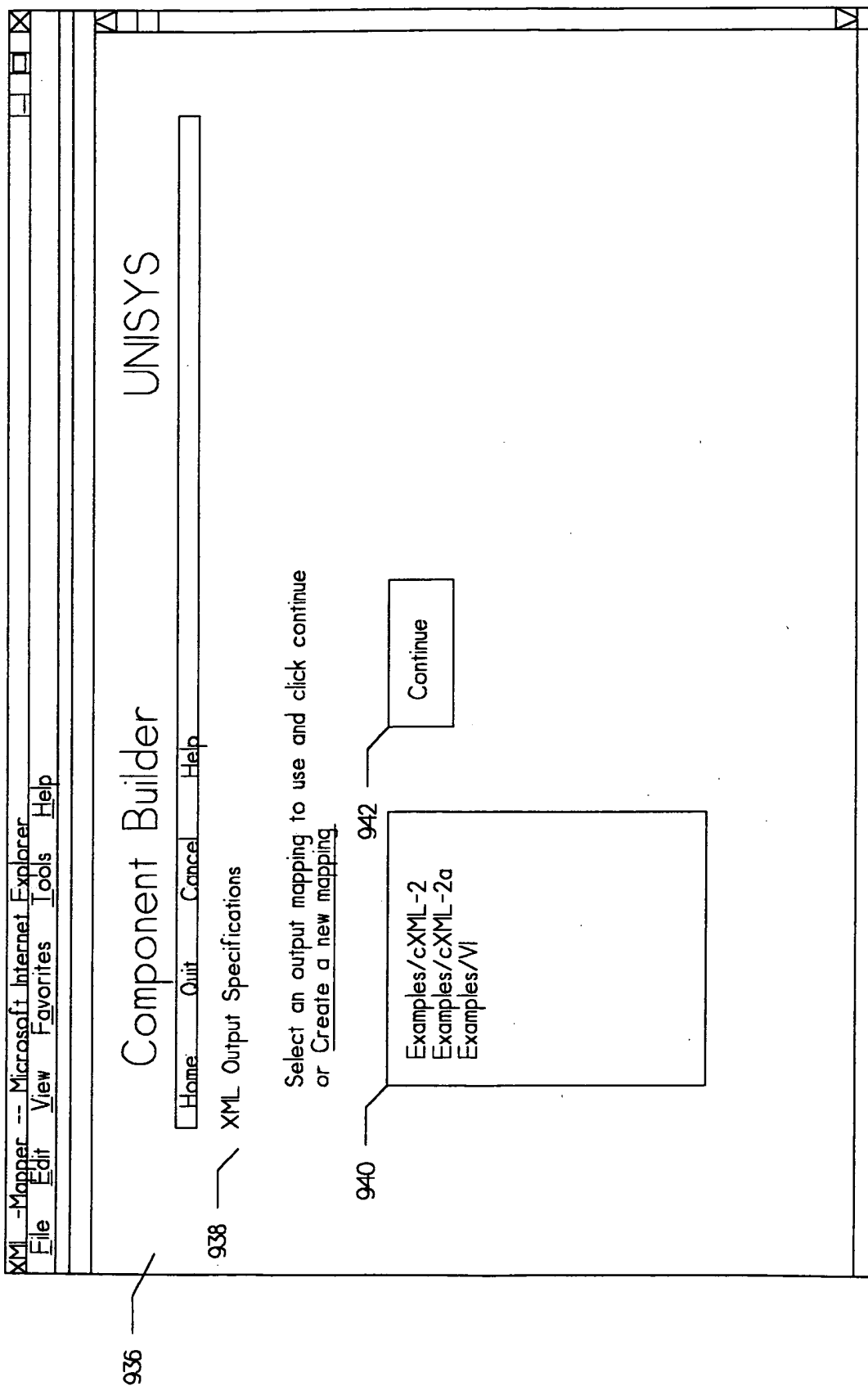


FIG. 33